

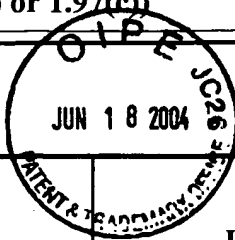
IFW

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))			Docket No. 17541
In Re Application Of: Michael Berkei, et al.			
Serial No. 10/801,763	Filing Date March 16, 2004	Examiner UNASSIGNED	Group Art Unit UNASSIGNED
Title: WRITABLE AND PRINTABLE COLLOIDAL GOLD SOLUTION			
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450			
37 CFR 1.97(b)			
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.			
37 CFR 1.97(c)			
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:			
<input type="checkbox"/> the statement specified in 37 CFR 1.97(e);			
OR			
<input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).			

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
17541

In Re Application: Michael Berkei, et al.



Serial No.
10/801,763

Filing Date
March 16, 2004

Examiner
UNASSIGNED

Group Art Unit
UNASSIGNED

WRITABLE AND PRINTABLE COLLOIDAL GOLD SOLUTION

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **19-1013/SSMP** as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

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Signature of Person Mailing Correspondence

Edward W. Grolz

Typed or Printed Name of Person Mailing Certificate

***This certificate may only be used if paying by deposit account.**

Signature

Dated: June 16, 2004

Edward W. Grolz

Registration No: 33,705

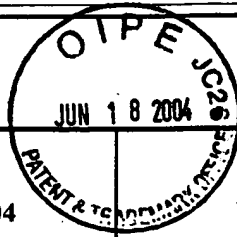
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Customer No: 23389

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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
17541

In Re Application Of: Michael Berkei, et al.



Serial No.
10/801,763

Filing Date
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Examiner
UNASSIGNED

Group Art Unit
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Title: **WRITABLE AND PRINTABLE COLLOIDAL GOLD SOLUTION**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

17541

In Re Application: Michael Berkei, et al.

JUN 18 2004

Serial No.

10/801,763

Filing Date

March 16, 2004

Examiner

UNASSIGNED

Group Art Unit

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WRITABLE AND PRINTABLE COLLOIDAL GOLD SOLUTION

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Signature

Dated: June 16, 2004

Edward W. Grolz

Registration No: 33,705

Correspondence Address:
Customer No: 23389

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Michael Berkei, et al.	Examiner:	Unassigned
Serial No.:	10/801,763	Art Unit:	Unassigned
Filed:	March 16, 2004	Docket:	17541
For:	WRITABLE AND PRINTABLE COLLOIDAL GOLD SOLUTION	Conf. No.:	3419
		Dated:	June 16, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§1.56, 1.97 and 1.98**

Sir:

Applicants, in order to meet their duty of disclosure, set forth at 37 C.F.R. §1.56, submit herewith those references which they deem relevant to the claims of the present application.

The relevant references are as follows:

1. U.S. Patent No. 5,147,841 (to Wilcoxon)
2. CN 1 077 471
3. CN 1 078 241
4. DE 10 030 637
5. EP 1 072 653 A2

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 16, 2004.

Dated: June 16, 2004


Edward W. Grolz

6. EP 1 238 946
7. EP 1 359 199 A1
8. JP 59170167
9. JP 63293107
10. JP 4342776
11. JP 2001019872
12. JP 2001089140
13. JP 2002069328
14. JP 2003020420
15. KR 9400999
16. PL 177180B
17. TW 421639
18. WO 02/41826 A2
19. Bieri, N.R., et al., Appl. Phys. Lett., Vol. 82, No. 20, pp. 3529-3531 (May 19, 2003) "Microstructuring By Printing and Laser Curing of Nanoparticle Solutions"
20. Bonnemann, H., et al., Angew. Chem. Int. Ed. Engl. 30, No. 10, pp. 1312-1314 (1991) "Formation of Colloidal Transition Metals in Organic Phases and Their Application in Catalysis"
21. Brust, M., et al., J. Chem. Soc., Chem. Commun., pp. 801-802 (1994) "Synthesis of Thiol-derivatised Gold Nanoparticles in a Two-phase Liquid-Liquid System"
22. Gittins, D.I., et al., Angew. Chem. 113, Nr. 16, pp. 3089-3092 (2001) "Spontaner Phasentransfer Metallischer Nanopartikel von der Organischen in die wässrige Phase"
23. Goia, D.V., et al., Colloids and Surfaces A: Physiochem. Eng. Aspects 146, pp. 139-152 (1999) "Tailoring the Particle Size of Monodispersed Colloidal Gold"

24. Handley, Dean A., Colloidal Gold: Principles, Methods, and Applications, Vol. 1, pp. 13-30 (1989) "Methods for Synthesis of Colloidal Gold"
25. Kamat, P.V., J. Phys. Chem. B, 106 pp. 7729-7744 (2002) "Photophysical, Photochemical and Photocatalytic Aspects of Metal Nanoparticles"
26. Poulikakos, D., et al., Bulletin ETH Zurich No. 292, pp. 53-56 (Feb. 2004) "Goldtausch Aus Dem Tintenstrahldrucker"
27. Thomas, K.G., et al., Langmuir, 18 pp. 3722-3727 (2002) "Surface Binding Properties of Tetraoctylammonium Bromide-Capped Gold Nanoparticles"

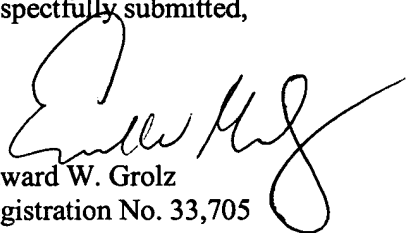
It is noted that in the case of references 2-4, 6 and 8-17, English abstracts are being submitted. It is noted that an English translation is being submitted together with a copy of reference 18. Although references 22 and 26 are not in English, the pertinence of these references is discussed in the subject specification. The remaining patents and journal references are in English.

Applicants respectfully request that the above-mentioned references be made of record in the file of the present application. To that end, applicants submit herewith the aforementioned references and the completed Form PTO-1449, setting forth these references.

Applicants submit that the filing of this Information Disclosure Statement is within three months of the filing date of the subject application. Therefore, no Declaration or fee is required to affect the filing of this Information Disclosure Statement.

Consideration of this Information Disclosure Statement is respectfully requested,
since the information provided herein may be material to the patentability of the subject
application as defined in 37 C.F.R. §1.56.

Respectfully submitted,



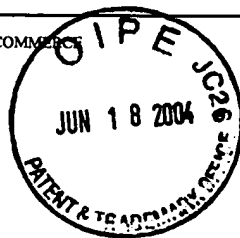
Edward W. Grolz
Registration No. 33,705

SCULLY, SCOTT, MURPHY & PRESSER
400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343

EWG/nd

**LIST OF PRIOR ART
CITED BY APPLICANT**

(Use several sheets if necessary)

Atty. Docket No.
17541Serial No.
10/801,763Applicant
Michael Berkei, et al.Filing Date
March 16, 2004Group
Unassigned**U.S. PATENT DOCUMENTS**

EXAMINE R INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA	5,147,841	09/15/92	Wilcoxon			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

		Foreign Document Number	Date	Country	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		CN 1 077 471	10/20/93	China				X
		CN 1 078 241	11/10/93	China				X
		DE 10 030 637	01/10/02	Germany				X
		EP 1 072 653 A2	01/31/01	EPO				X
		EP 1 238 946	09/11/02	EPO				X
		EP 1 359 199 A1	11/05/03	EPO				X
		JP 59170167	09/26/84	Japan				X
		JP 63293107	11/30/88	Japan				X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		Bieri, N.R., et al., Appl. Phys. Lett., Vol. 82, No. 20, pp. 3529-3531 (May 19, 2003) "Microstructuring By Printing and Laser Curing of Nanoparticle Solutions"
		Bonnemann, H., et al., Angew. Chem. Int. Ed. Engl. 30, No. 10, pp. 1312-1314 (1991) "Formation of Colloidal Transition Metals in Organic Phases and Their Application in Catalysis"
		Brust, M., et al., J. Chem. Soc., Chem. Commun., pp. 801-802 (1994) "Synthesis of Thiol-derivatised Gold Nanoparticles in a Two-phase Liquid-Liquid System"

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No.
17541

Serial No.
10/801,763

**LIST OF PRIOR ART
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(Use several sheets if necessary)

Applicant
Michael Berkei, et al.

Filing Date
March 16, 2004

Group
Unassigned

U.S. PATENT DOCUMENTS

EXAMINE R INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

		Foreign Document Number	Date	Country	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		JP 4342776	11/30/92	Japan				X
		JP 2001019872	01/23/01	Japan				X
		JP 2001089140	04/03/01	Japan				X
		JP 2002069328	03/08/02	Japan				X
		JP 2003020420	01/24/03	Japan				X
		KR 9400999	02/08/94	Korea				X
		PL 177180B	10/29/99	Poland				X
		TW 421639	02/11/01	Taiwan				X
		WO 02/41826 A2	05/30/02	PCT			X	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		Gittins, D.I., et al., Angew. Chem. 113, Nr. 16, pp. 3089-3092 (2001) "Spontaner Phasentransfer Metallischer Nanopartikel von der Organischen in die wässrige Phase"
		Goia, D.V., et al., Colloids and Surfaces A: Physiochem. Eng. Aspects 146, pp. 139-152 (1999) "Tailoring the Particle Size of Monodispersed Colloidal Gold"
		Handley, Dean A., Colloidal Gold: Principles, Methods, and Applications, Vol. 1, pp. 13-30 (1989) "Methods for Synthesis of Colloidal Gold"

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE				Atty. Docket No. 17541		Serial No. 10/801,763	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Applicant Michael Berkei, et al.			
				Filing Date March 16, 2004		Group Unassigned	

U.S. PATENT DOCUMENTS							
EXAMINE R INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
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		Foreign Document Number	Date	Country	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Kamat, P.V., J. Phys. Chem. B, 106 pp. 7729-7744 (2002) "Photophysical, Photochemical and Photocatalytic Aspects of Metal Nanoparticles"
	Poulikakos, D., et al., Bulletin ETH Zurich No. 292, pp. 53-56 (Feb. 2004) "Goldrausch Aus Dem Tintenstrahldrucker"
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